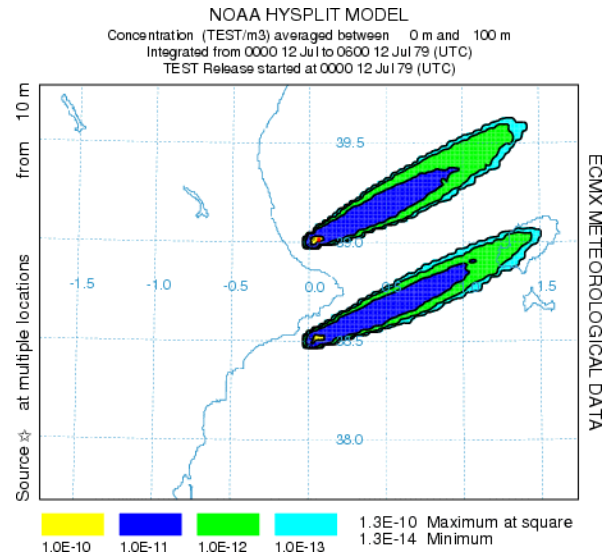


Defining Multiple Sources

The [CONTROL file](#) for the base example in this section has been slightly modified so that the run duration and output interval is now only 6 hours, the concentrations are averaged, and the emission grid resolution has been reduced to 2 km. A second source added to location 38.5N results in two adjacent, almost identical plumes. Note that the emission rate of 1 unit per hour is applied to all sources.



The emission rate can be set for each source by including that information after the release height. Although not shown in the GUI, this is explained in more detail in the linked help files. In the example shown here, the emission rate at the second source has been increased by a factor of 10.

Starting Location Setup

Set up 2 Starting Locations: lat lon height (M Agl)

Location 1 :	39.00 0.00 10.0 1.0	List
Location 2 :	38.50 0.00 10.0 10.0	List
Location 3 :		List
Location 4 :		List
Location 5 :		List
Location 6 :		List

Quit OK

Rerunning the model with the new [CONTROL file](#) results in a plot with an obvious concentration difference between the plumes. Although the color scales are different between the two plots, the concentrations in the second plume have increased by the same amount as the emission increase. There is a fifth field that can be added to the source location line that sets an initial plume size (virtual source). The field represents the area in square-meters and is only valid for “puff” simulations.

